



Quarterly Update to the Climate Action Team on Energy Subgroup Activities



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ENERGY EFFICIENCY

- EE Strategic Plan established goals through 2020 via 3-year implementation programs.
- The 3-year programs are developed by the IOUs and approved by the CPUC.
- Currently working with IOUs to develop 2009-2011 programs that lay foundation for achieving Strategic Plan goals.
- Approval of the 2009-11 IOU applications is expected in 3rd or 4th quarter 2009.





RENEWABLE ENERGY

- 20% Renewable Portfolio Standard
 - In the first quarter the CPUC approved 4 projects for over 800 MW
 - There are currently 11 additional projects for over 4,700 MW under review.
 - In response to a February 3, 2009 CPUC ruling on project viability, CPUC staff are working with stakeholders to develop standardized criteria to quantify a project's viability relative to other projects.





RENEWABLE ENERGY (CONT'D)

- Renewable Energy Transmission Initiative (RETI)
 - Statewide, multi-stakeholder initiative to identify and develop high-priority, near-term transmission projects.
 - Phase 1, completed in December 2008, focused on identifying Competitive Renewable Energy Zones (CREZs).
 - Phase 2, now underway, will identify the transmission needed to link priority CREZs to the grid. The conceptual plan and recommended priority transmission projects will be released by spring 2009.
 - Phase 3 will support California's utilities and transmission planning entities in the preparation of "plans of service" for the recommended transmission projects.





RENEWABLE ENERGY (CONT'D)

- 33% by 2020
 - RPS team has been conducting a detailed analysis to evaluate the potential costs, barriers, and timelines associated with achieving the 33% RPS goal.
 - A report summarizing this analysis is due to be completed in the second quarter.
 - The legislature has also been working on a number of bills to require 33% renewables, and staff has been actively participating in that process.
- AB 1969
 - Existing tariffs for purchasing renewable electricity from public water or wastewater agencies are limited to projects up to 1.5 MW
 - In first quarter, opened proceeding and initiated stakeholder process to implement AB 1969, which proposes expanding the tariffs to 20 MW.





RENEWABLE ENERGY (CONT'D)

- California Solar Initiative
 - Customers in utility territories have installed 211 MW of grid-tied, distributed solar PV projects at over 15,000 sites since 2007.
 - A record number of installed MW in the first quarter of 2009 — over 78 MW at over 3,600 sites.
 - Also launched the Multifamily Affordable Solar Housing (MASH) program in the first quarter of 2009.
- Solar Hot Water
 - January 2009: in consultation with CPUC staff, the Center for Sustainable Energy released the Solar Hot Water Pilot Program evaluation contractor's Interim Evaluation Report.
 - April 2009: released the Report's appendix related to program cost-effectiveness.
 - Staff are currently reviewing these reports as a precursor to the development of a statewide solar hot water program.





COMBINED HEAT AND POWER

- AB 1613
 - CPUC and CEC staff are currently developing a Feed-in Tariff, per AB 1613, for small, new highly efficient CHP systems.
 - In the first quarter of 2009, the CPUC released a draft contract and pricing structure, held workshop on the proposal, and engaged in a public process to take comments on this process.
 - In April 2009, the CEC held a workshop on technical guidelines.
 - The agencies are currently targeting the end of the calendar year to complete the Feed-in Tariff program.
- Preparations are underway to open a rulemaking to address larger CHP systems this summer.





Other Climate Change Activities

- **Emissions Performance Standard (EPS)**
 - Restricts purchase of baseload generation from coal plants and other high-emitting resources.
 - All annual and quarterly reports show that the IOUs are in compliance with the EPS.
 - Multi-jurisdictional utilities are also required to file annual EPS compliance reports. Many initial reviews filed indicate the multi-jurisdictional utilities are in compliance.
- **Carbon Capture and Sequestration (CCS)**
 - In February 2009, the CPUC approved Southern California Edison's \$30 million request to begin the Hydrogen Energy California CCS study.
 - The CPUC also encouraged PG&E and SDG&E, as well as the publicly-owned utilities, to become partners in the project and for all utilities to work together on commercializing CCS technology.
- **Coordination with ARB Office of Climate Change**
 - Have begun holding bi-weekly inter-agency staff meetings to coordinate Energy Agency participation in the development of AB 32 regulations.





Thank you!
For Additional Information:

www.cpuc.ca.gov
www.GoSolarCalifornia.ca.gov

